Wallsten			[45]	Date of	Patent:	Apr. 7, 1987	
[54]	PROSTHESIS COMPRISING AN EXPANSIBLE OR CONTRACTILE TUBULAR BODY		[56] References Cited U.S. PATENT DOCUMENTS				
[75]	Inventor: Ha			3,509,883       5/1970       Dibelius       128/334 R         3,822,238       7/1974       Blair et al.       3/1 X         3,868,956       3/1975       Alfidi et al.       128/345         3,993,078       11/1976       Bergentz et al.       128/334         4,130,904       11/1978       Whalen       3/1.4			
[73]	Assignee: Shepherd Patents S.A., Delemont, Switzerland		4,140,	126 2/1979	Choudhury		
			FOREIGN PATENT DOCUMENTS				
[21]	Appl. No.:	571,549	8002	461 12/1980	Sweden	3/1.4	
[22]	PCT Filed:	Apr. 11, 1983			•	om 128/343	
[86]	PCT No.: PCT/SE83/00131		Primary Examiner—Richard J. Apley Assistant Examiner—Alan W. Cannon Attorney, Agent, or Firm—Burns, Doane, Swecker &				
	§ 371 Date:	Dec. 7, 1983	Mathis				
	§ 102(e) Date:	Dec. 7, 1983	[57]		ABSTRACT		
[87]	PCT Pub. No.: PCT Pub. Date	WO83/03752	A prosthesis for transluminal implantation comprising a flexible tubular body which has a diameter that is vari- able by axial movement of the ends of the body relative				
[30]	Foreign Ap	to each other and which is composed of several individ- ual rigid but flexible thread elements each of which extends in helix configuration with the center line of the					
Ap	Apr. 30, 1982 [SE] Sweden 8202739			body as a common axis, a number of elements having			
[51] [52]	Int. Cl. <sup>4</sup> U.S. Cl	the same direction of winding but being axially displaced relative to each other crossing a number of elements also axially displaced relative to each other but having the opposite direction of winding, and method					

United States Patent [19]

[58] Field of Search ............. 3/1.4; 128/334 R, 334 C, 128/335, 341, 343; 604/281, 282, 8

623/66; 128/334 R; 128/335; 128/343;

604/281; 604/282

## 12 Claims, 14 Drawing Figures

having the opposite direction of winding; and method

for transluminal implantation.

[11] Patent Number:

4,655,771

